

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
 Data File : BP005701.D
 Acq On : 03 Jun 2021 23:12
 Operator : CG/JU
 Sample : M2580-12DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 18-B4(4-6)DL

Manual Integrations
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mohammad
 6/4/2021 9:35:04 AM

Quant Time: Jun 04 01:06:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 27 16:11:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	193241	20.00	ng	0.00
21) Naphthalene-d8	10.793	136	747315	20.00	ng	# 0.00
39) Acenaphthene-d10	14.610	164	446738	20.00	ng	0.00
64) Phenanthrene-d10	17.351	188	912113	20.00	ng	# 0.00
76) Chrysene-d12	21.422	240	902858	20.00	ng	# 0.00
86) Perylene-d12	23.868	264	1034610	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.546	112	7432	0.60	ng	0.00
7) Phenol-d6	7.146	99	43994	2.60	ng	0.00
23) Nitrobenzene-d5	9.146	82	33150	2.47	ng	0.00
42) 2,4,6-Tribromophenol	16.098	330	475	0.08	ng	0.00
45) 2-Fluorobiphenyl	13.240	172	86163	2.55	ng	0.00
79) Terphenyl-d14	19.892	244	131120	2.73	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.840	128	150430	3.38	ng	96
52) Acenaphthene	14.669	154	152871	5.12	ng	94
55) Dibenzofuran	15.004	168	170225	3.72	ng	97
58) Fluorene	15.651	166	183473	5.01	ng	99
71) Phenanthrene	17.398	178	2140642	37.67	ng	99
72) Anthracene	17.486	178	487479	8.69	ng	99
73) Carbazole	17.751	167	149599	2.71	ng	98
75) Fluoranthene	19.351	202	1695218	24.85	ng	97
78) Pyrene	19.704	202	1694676	26.60	ng	99
81) Benzo(a)anthracene	21.404	228	638217	9.63	ng	97
83) Chrysene	21.457	228	558504	8.70	ng	97
87) Indeno(1,2,3-cd)pyrene	26.427	276	351072	3.99	ng	# 93
88) Benzo(b)fluoranthene	23.116	252	682069	9.09	ng	# 94
89) Benzo(k)fluoranthene	23.163	252	200696m	2.82	ng	
90) Benzo(a)pyrene	23.757	252	578016	8.46	ng	# 93
92) Benzo(g,h,i)perylene	27.221	276	357325	4.85	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

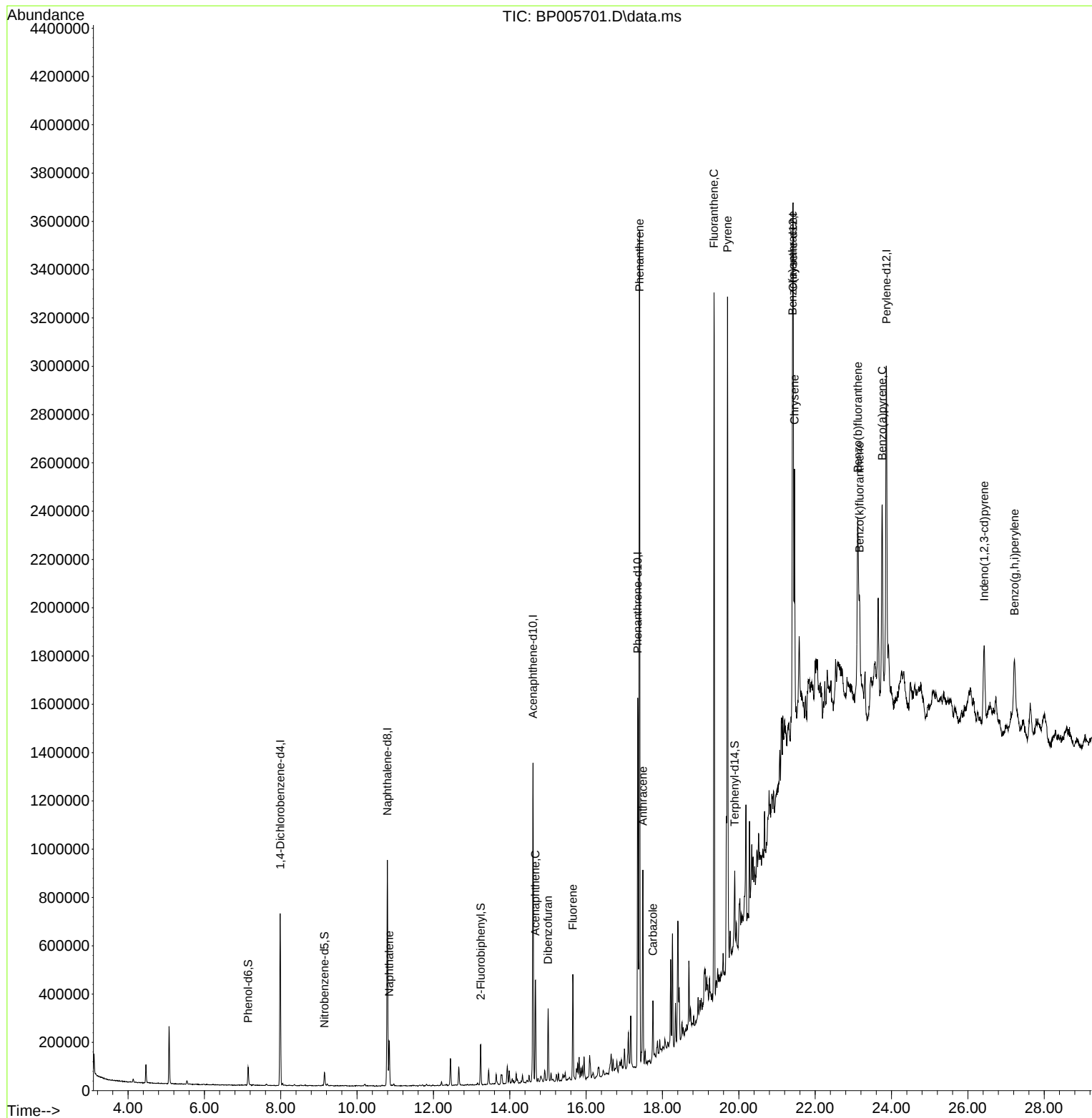
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060321\
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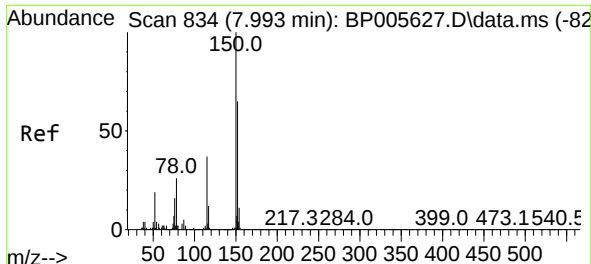
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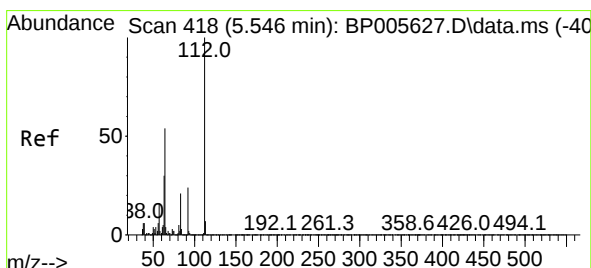
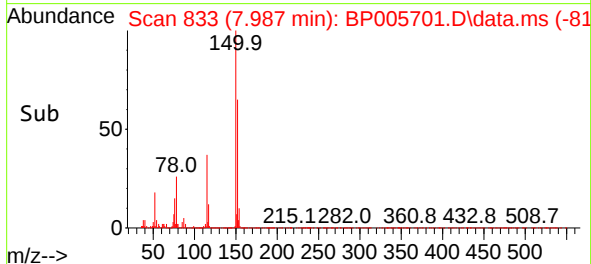
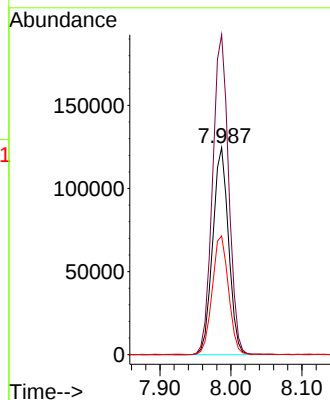
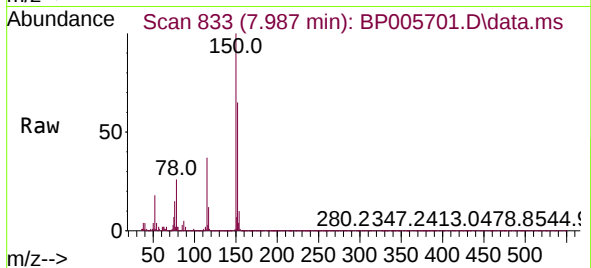
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.987 min Scan# 833
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

Tgt Ion:152 Resp: 193241
Ion Ratio Lower Upper
152 100
150 154.5 119.8 179.8
115 57.3 49.0 73.4

Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)DL

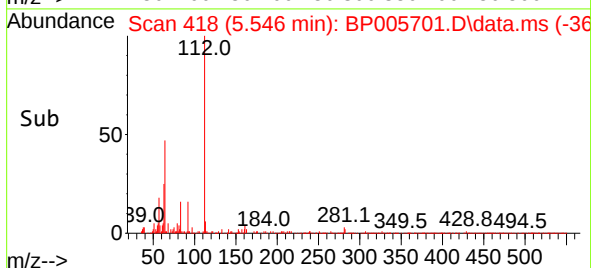
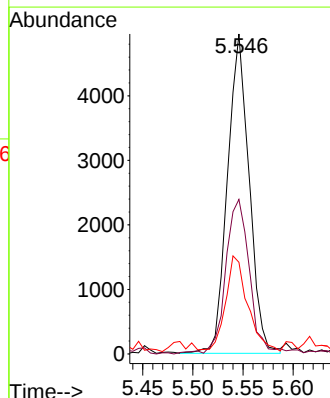
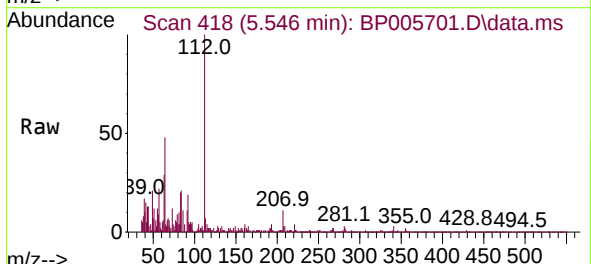
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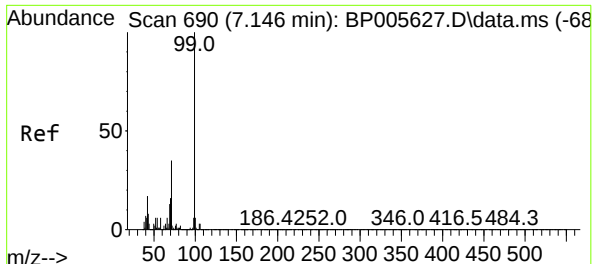
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#5
2-Fluorophenol
Concen: 0.60 ng
RT: 5.546 min Scan# 418
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

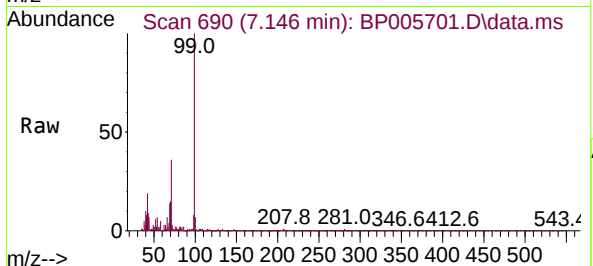
Tgt Ion:112 Resp: 7432
Ion Ratio Lower Upper
112 100
64 48.3 33.6 50.4
63 28.7 18.6 27.8#





#7
Phenol-d6
Concen: 2.60 ng
RT: 7.146 min Scan# 690
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

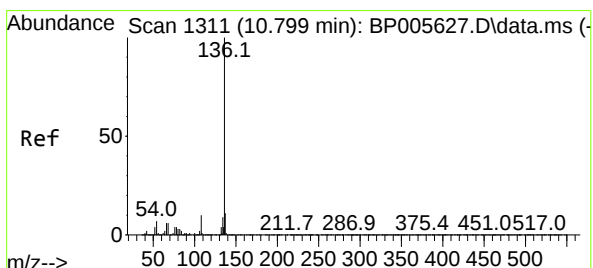
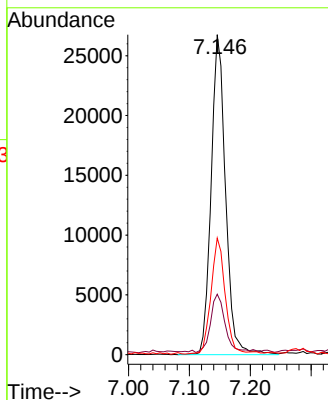
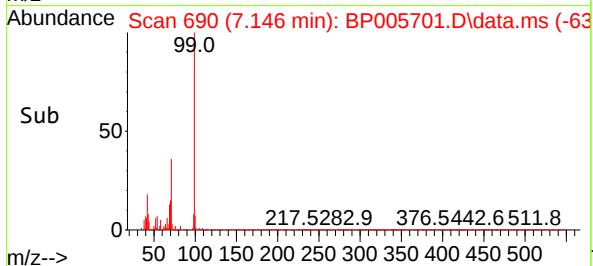
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)DL



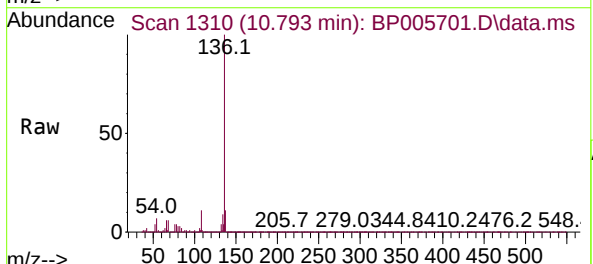
Tgt Ion	Ratio	Lower	Upper
99	100		
42	18.9	12.9	19.3
71	36.4	26.7	40.1

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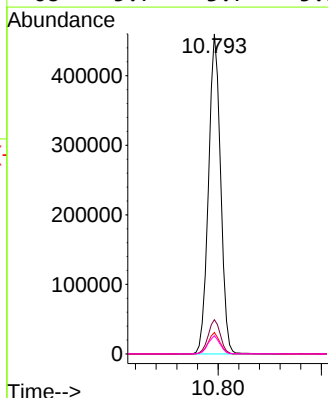
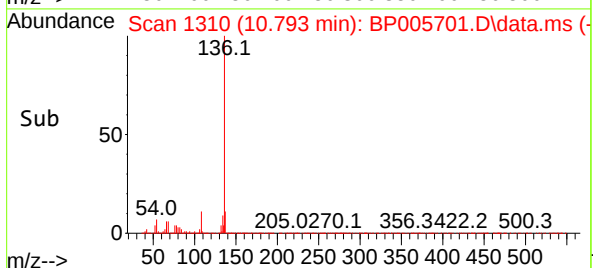
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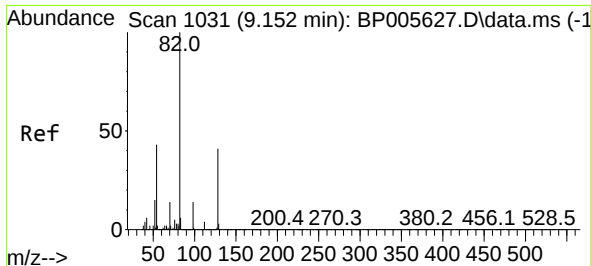


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.793 min Scan# 1310
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12



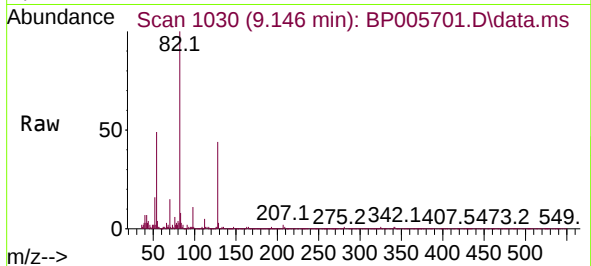
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.7	5.0	7.4
68	5.7	3.7	5.5





#23
Nitrobenzene-d5
Concen: 2.47 ng
RT: 9.146 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

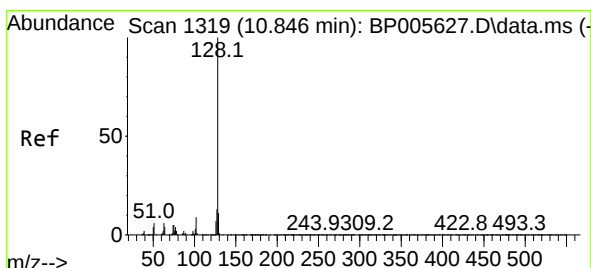
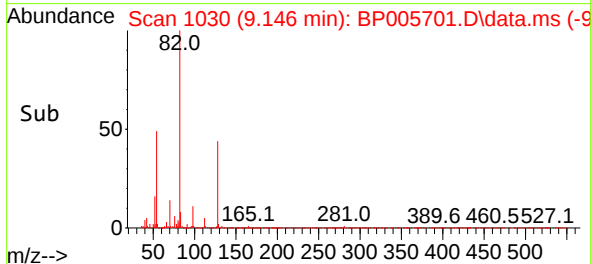
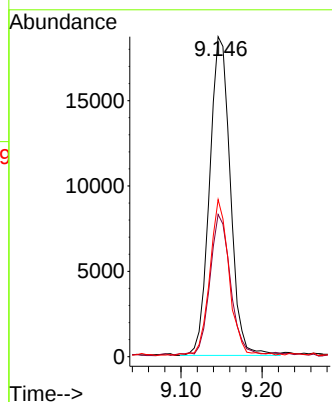
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 82 Resp: 33150
Ion Ratio Lower Upper
82 100
128 44.5 30.5 45.7
54 49.1 33.9 50.9

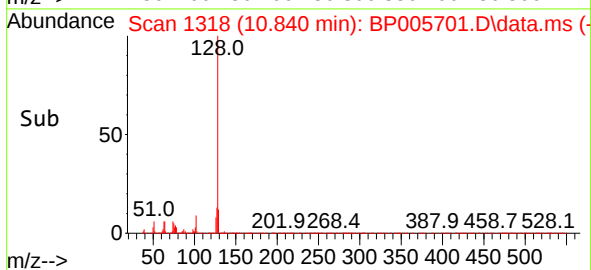
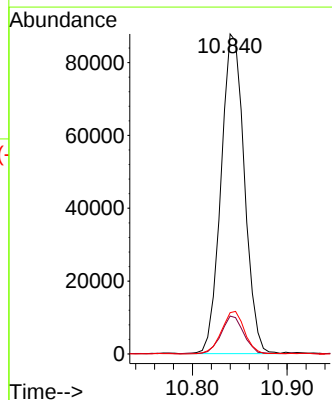
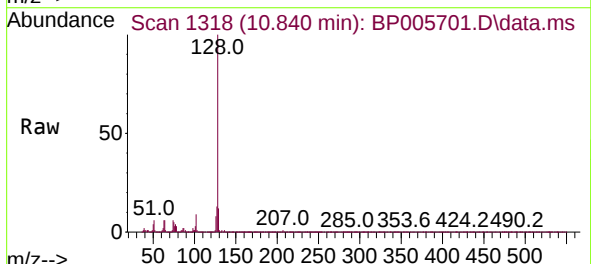
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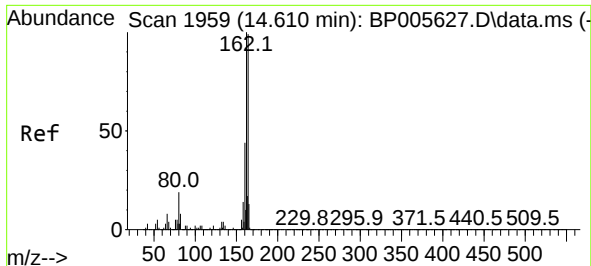
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#31
Naphthalene
Concen: 3.38 ng
RT: 10.840 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

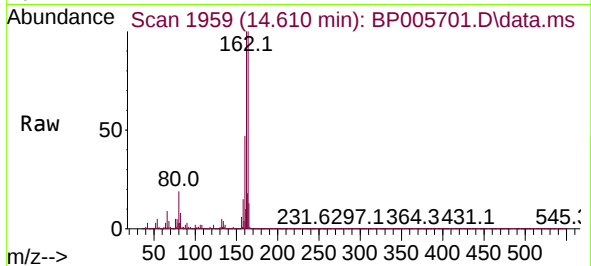
Tgt Ion: 128 Resp: 150430
Ion Ratio Lower Upper
128 100
129 11.8 8.0 12.0
127 12.9 11.1 16.7





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

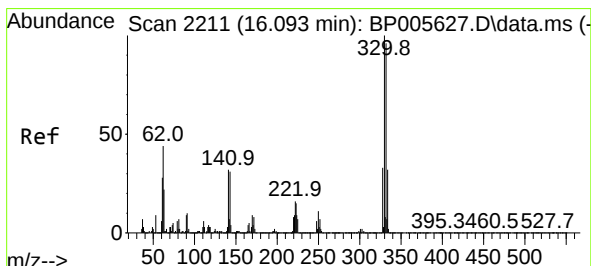
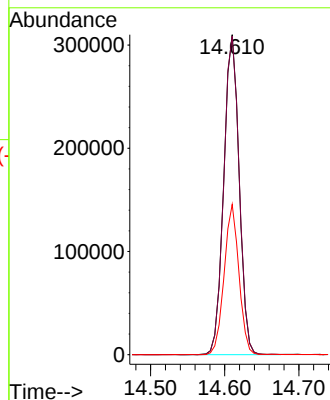
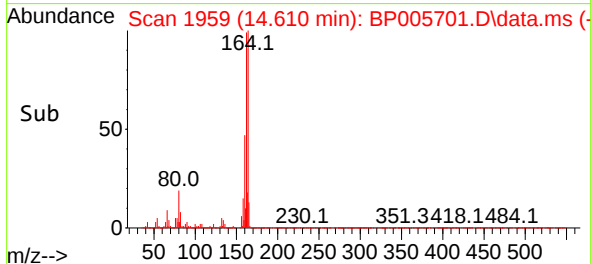
Instrument :
BNA_P
ClientSampleId :
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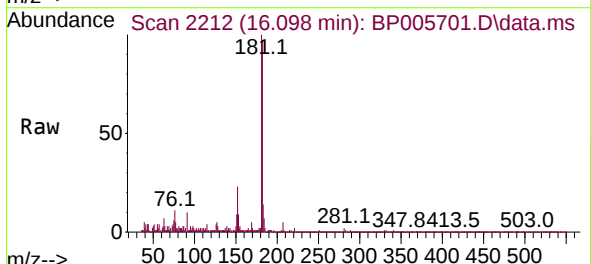
Tgt Ion:164 Resp: 446738
Ion Ratio Lower Upper
164 100
162 99.5 73.5 110.3
160 46.9 40.6 61.0

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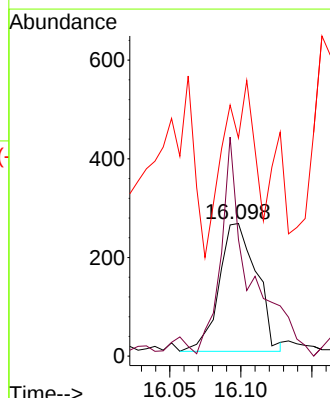
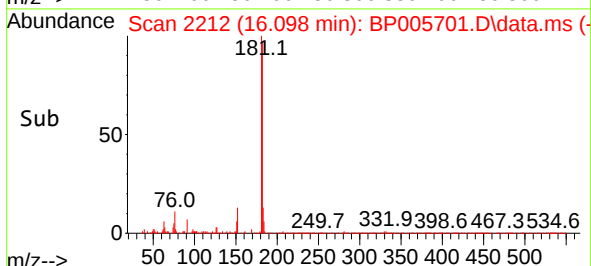
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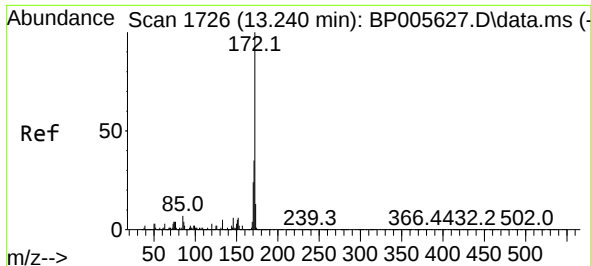


#42
2,4,6-Tribromophenol
Concen: 0.08 ng
RT: 16.098 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12



Tgt Ion:330 Resp: 475
Ion Ratio Lower Upper
330 100
332 133.1 76.3 114.5#
141 113.7 22.8 34.2#





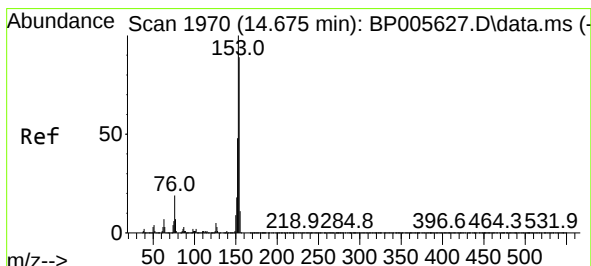
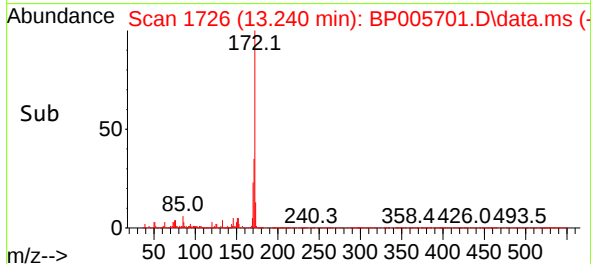
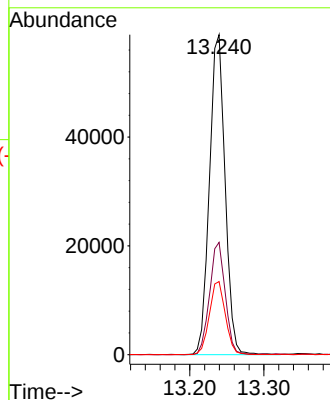
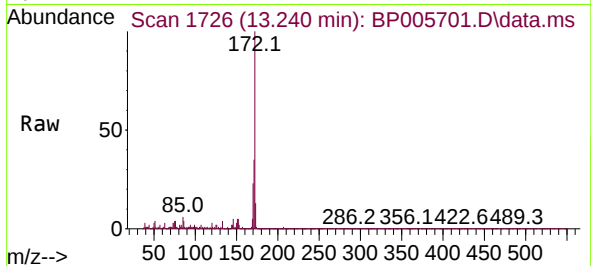
#45
2-Fluorobiphenyl
Concen: 2.55 ng
RT: 13.240 min Scan# 1726
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

Tgt Ion:	172	Resp:	86163
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.1	42.1
170	22.8	19.6	29.4

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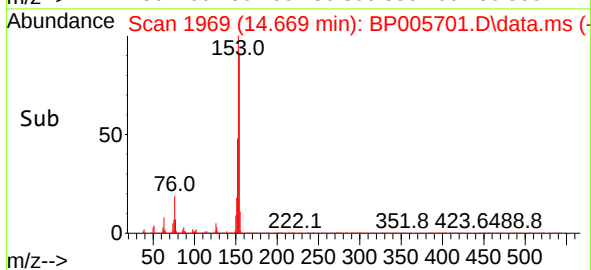
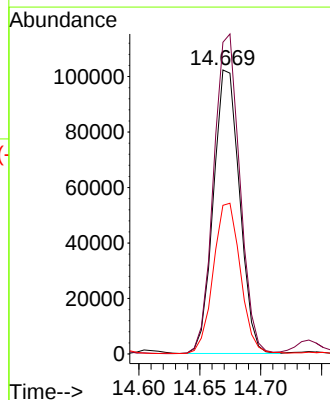
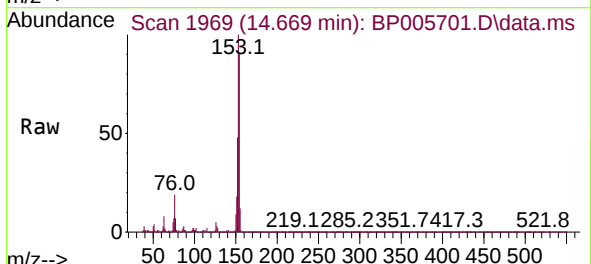
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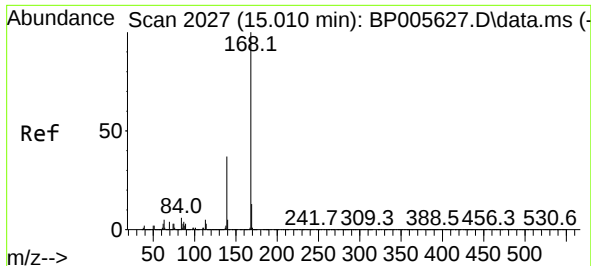
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#52
Acenaphthene
Concen: 5.12 ng
RT: 14.669 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

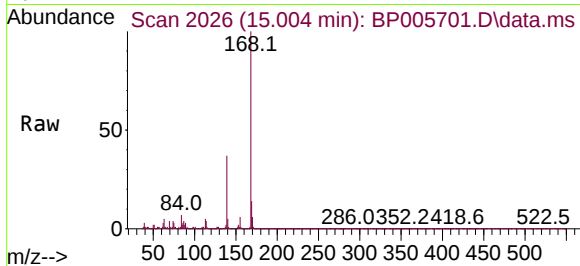
Tgt Ion:	154	Resp:	152871
Ion Ratio	Lower	Upper	
154	100		
153	109.7	90.9	136.3
152	52.3	48.5	72.7





#55
Dibenzenofuran
Concen: 3.72 ng
RT: 15.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

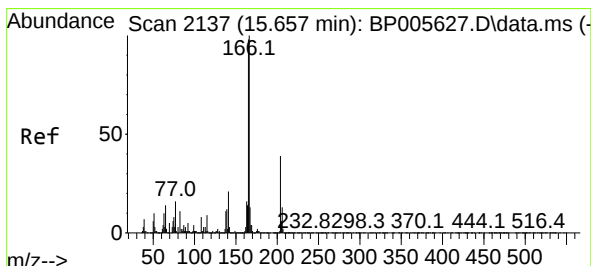
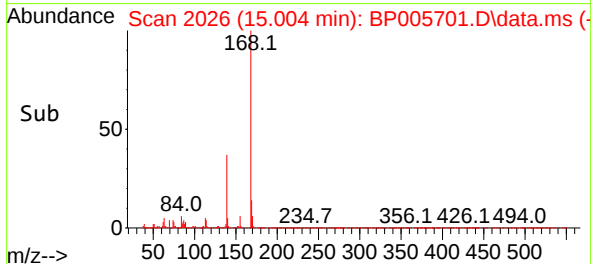
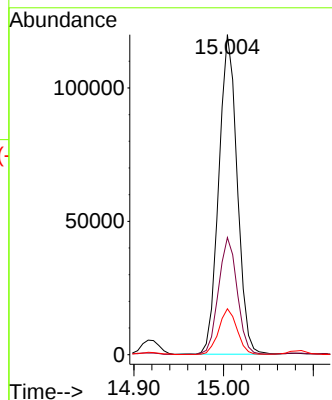
Instrument :
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ClientSampleId :
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Tgt Ion:168 Resp: 170225
Ion Ratio Lower Upper
168 100
139 36.6 31.4 47.0
169 14.3 11.4 17.0

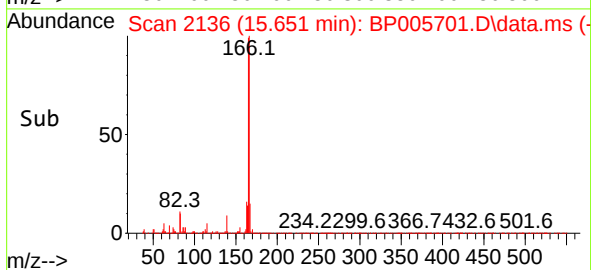
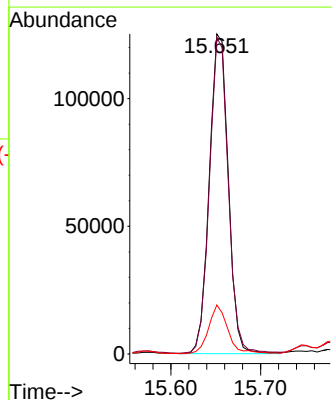
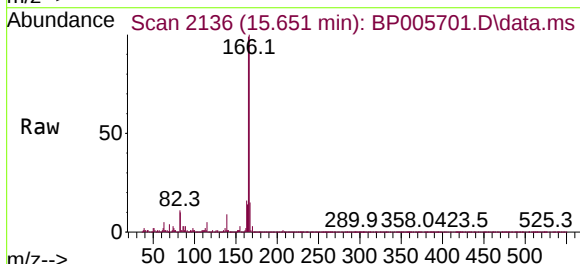
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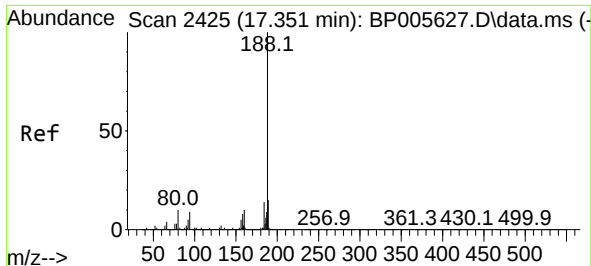
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#58
Fluorene
Concen: 5.01 ng
RT: 15.651 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

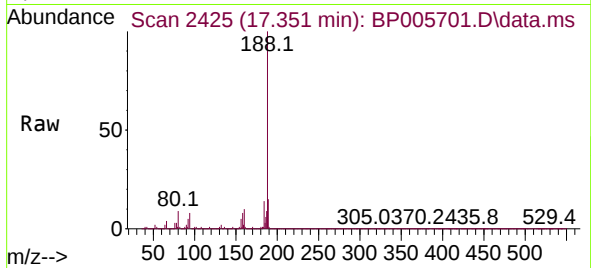
Tgt Ion:166 Resp: 183473
Ion Ratio Lower Upper
166 100
165 98.9 78.8 118.2
167 15.3 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.351 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

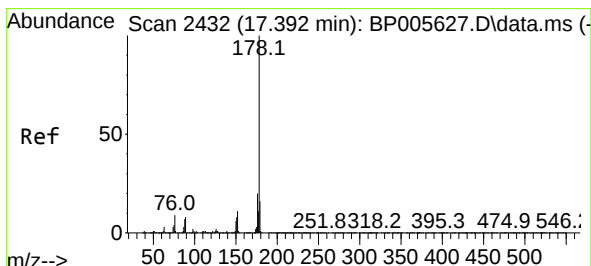
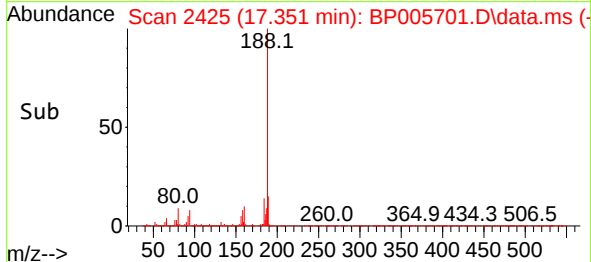
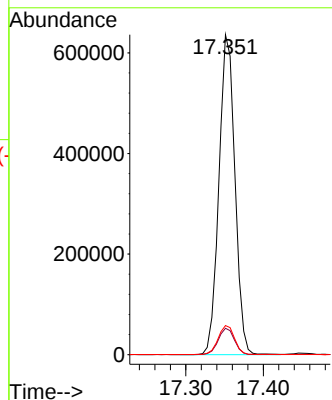
Instrument :
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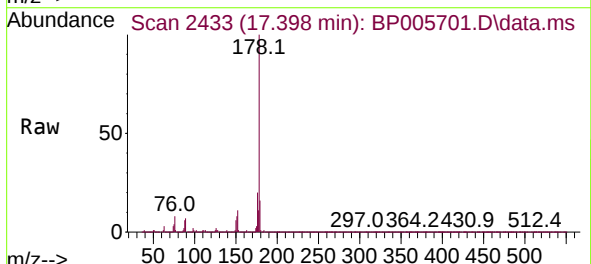
Tgt Ion:188 Resp: 912113
Ion Ratio Lower Upper
188 100
94 8.2 5.0 7.6#
80 9.1 5.9 8.9#

Manual Integrations
APPROVED

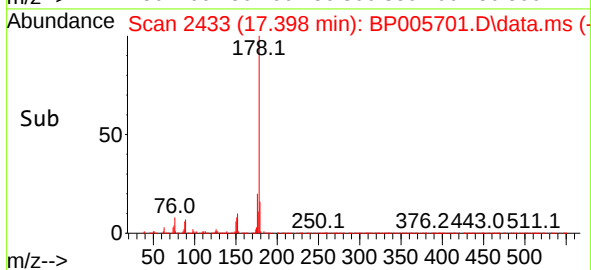
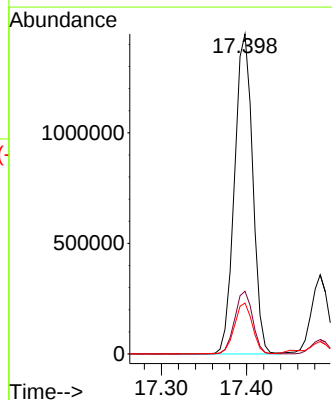
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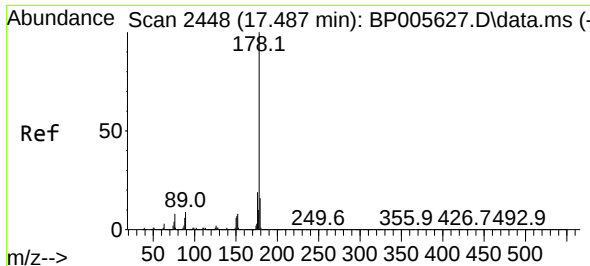


#71
Phenanthrene
Concen: 37.67 ng
RT: 17.398 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12



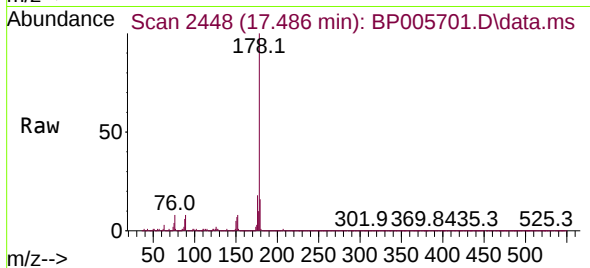
Tgt Ion:178 Resp: 2140642
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.9 12.3 18.5





#72
 Anthracene
 Concen: 8.69 ng
 RT: 17.486 min Scan# 2448
 Delta R.T. -0.000 min
 Lab File: BP005701.D
 Acq: 03 Jun 2021 23:12

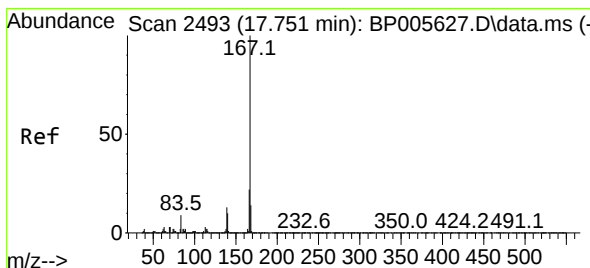
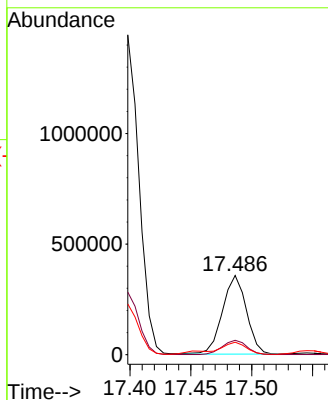
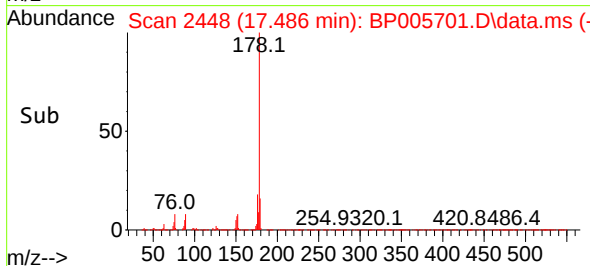
Instrument :
 BNA_P
 ClientSampleID :
 18-B4(4-6)DL



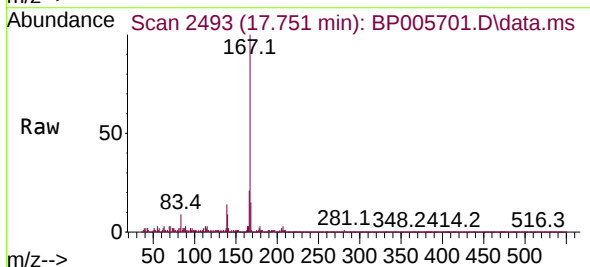
Tgt Ion:178 Resp: 487479
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.2 22.8
 179 15.8 12.6 19.0

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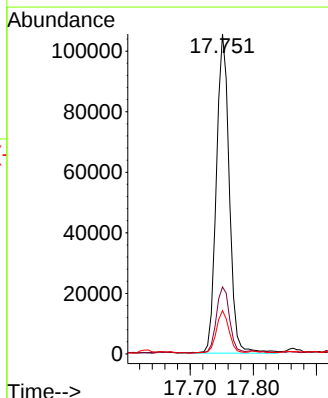
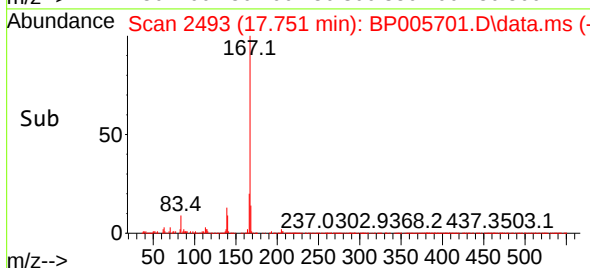
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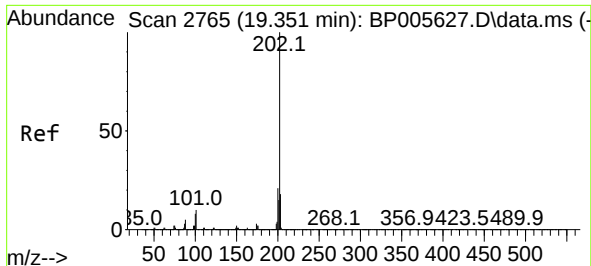


#73
 Carbazole
 Concen: 2.71 ng
 RT: 17.751 min Scan# 2493
 Delta R.T. -0.000 min
 Lab File: BP005701.D
 Acq: 03 Jun 2021 23:12



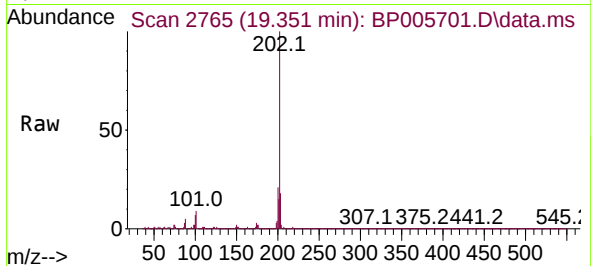
Tgt Ion:167 Resp: 149599
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.4 26.0
 139 13.6 10.4 15.6





#75
Fluoranthene
Concen: 24.85 ng
RT: 19.351 min Scan# 2765
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

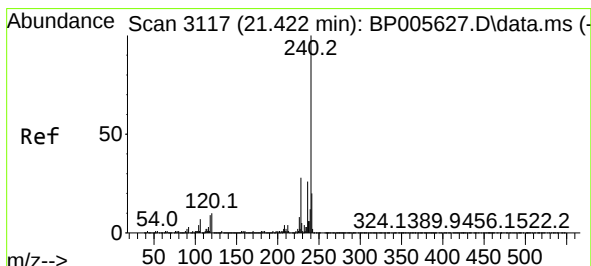
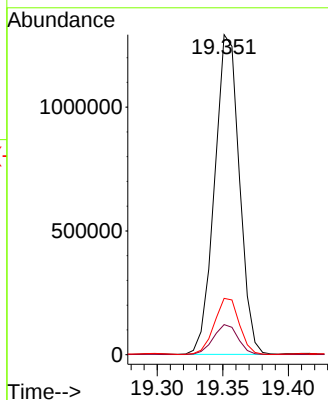
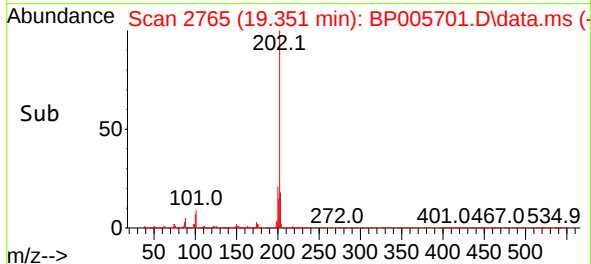
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)DL



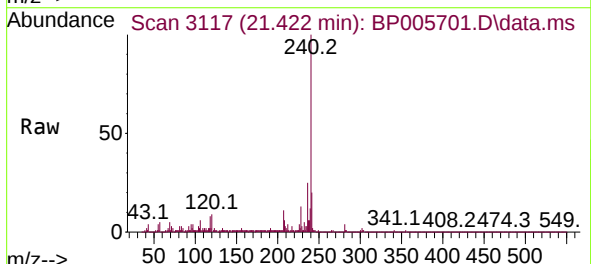
Tgt Ion:202 Resp: 1695218
Ion Ratio Lower Upper
202 100
101 9.4 0.0 26.1
203 17.6 0.0 37.2

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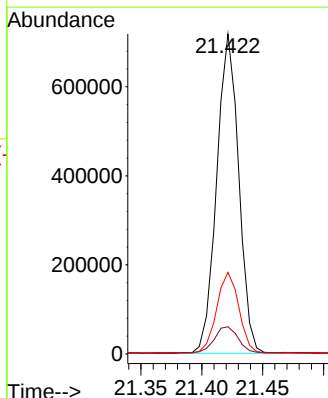
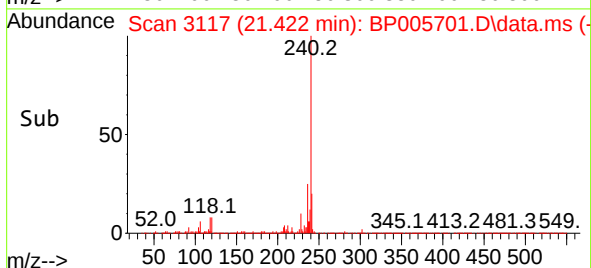
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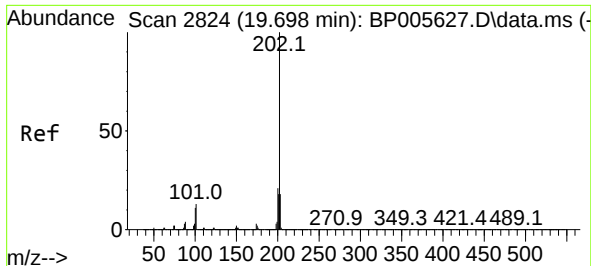


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.422 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12



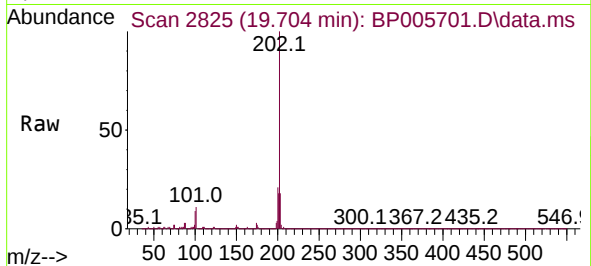
Tgt Ion:240 Resp: 902858
Ion Ratio Lower Upper
240 100
120 8.5 4.2 6.2#
236 25.5 20.2 30.2





#78
Pyrene
Concen: 26.60 ng
RT: 19.704 min Scan# 2825
Delta R.T. 0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

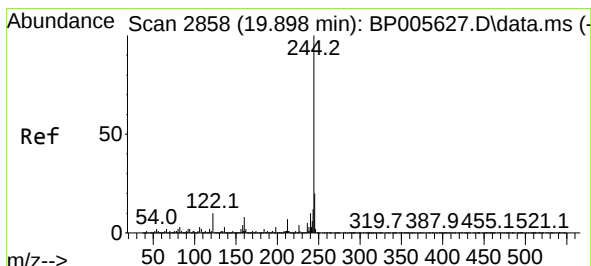
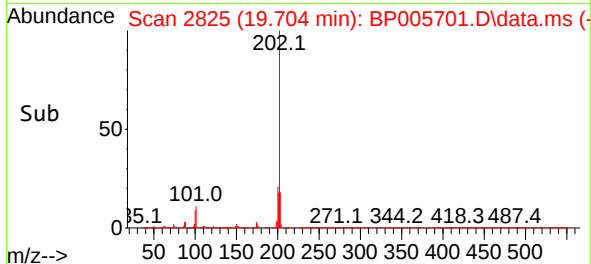
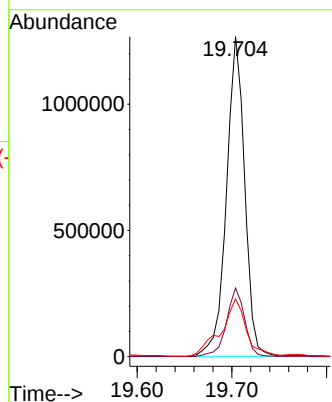
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)DL



Tgt Ion:202 Resp: 1694676
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 18.1 13.8 20.6

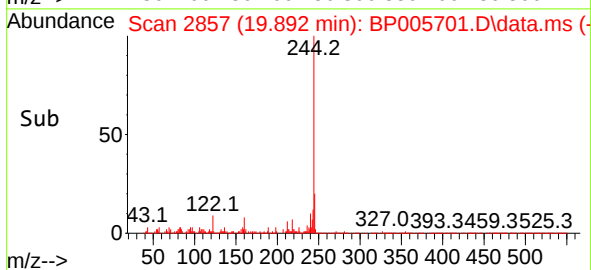
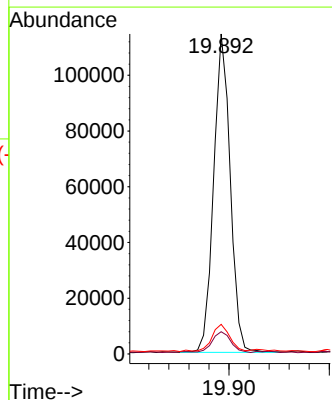
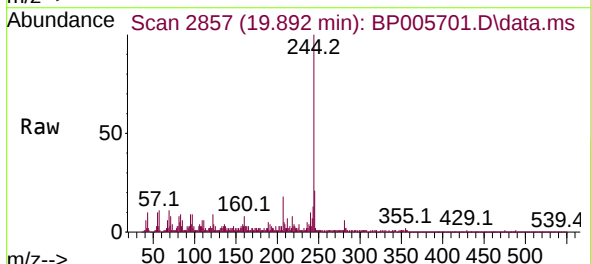
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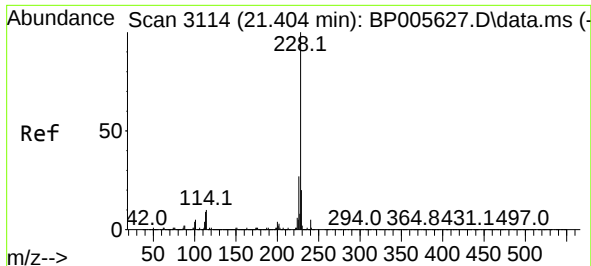
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#79
Terphenyl-d14
Concen: 2.73 ng
RT: 19.892 min Scan# 2857
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

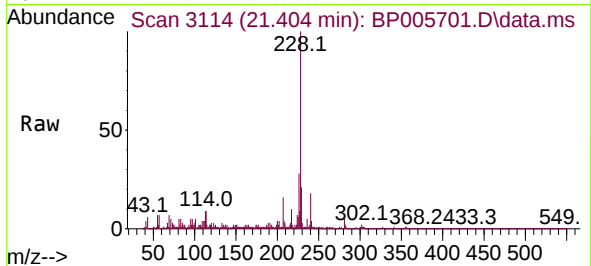
Tgt Ion:244 Resp: 131120
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 9.3 5.2 7.8#





#81
Benzo(a)anthracene
Concen: 9.63 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

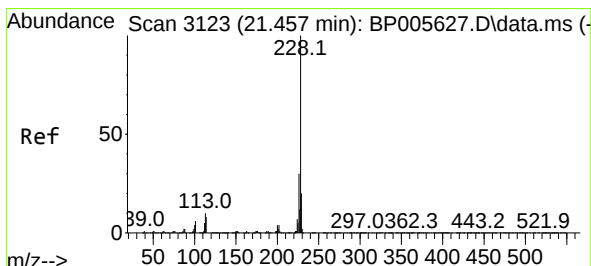
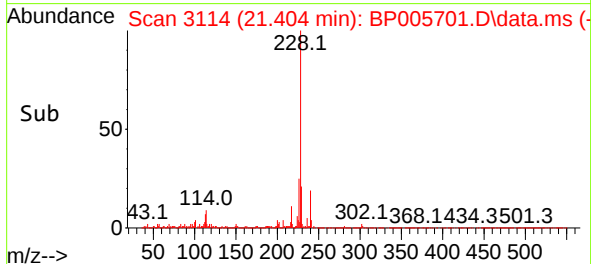
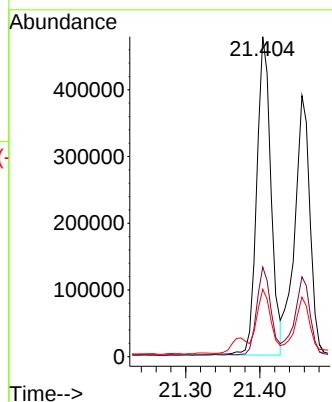
Instrument :
BNA_P
ClientSampleID :
18-B4(4-6)DL



Tgt Ion:228 Resp: 638217
Ion Ratio Lower Upper
228 100
226 28.0 21.2 31.8
229 21.0 15.6 23.4

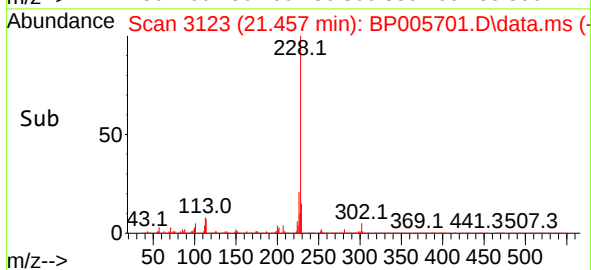
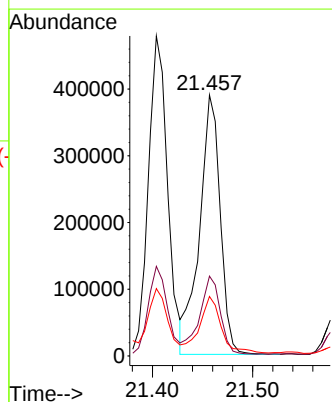
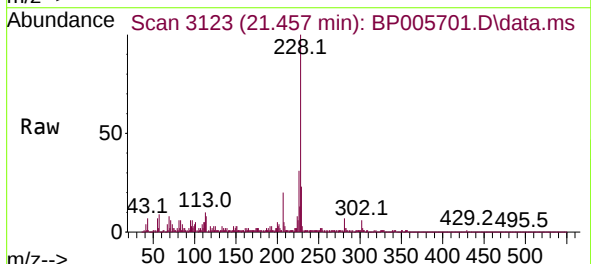
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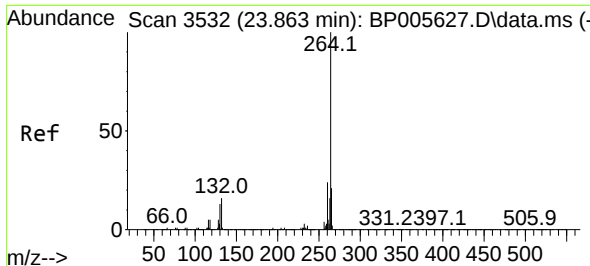
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#83
Chrysene
Concen: 8.70 ng
RT: 21.457 min Scan# 3123
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

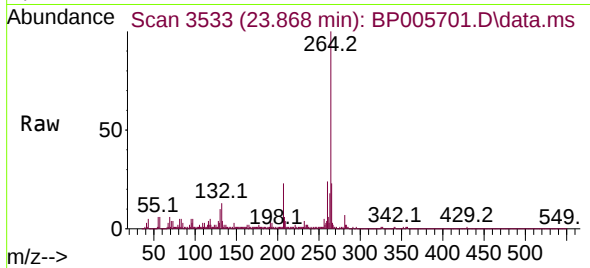
Tgt Ion:228 Resp: 558504
Ion Ratio Lower Upper
228 100
226 30.6 24.8 37.2
229 22.8 15.4 23.0





#86
Perylene-d12
Concen: 20.00 ng
RT: 23.868 min Scan# 3533
Delta R.T. 0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

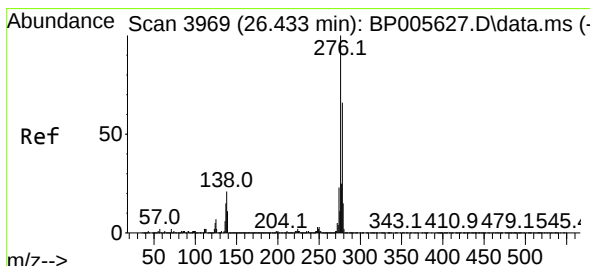
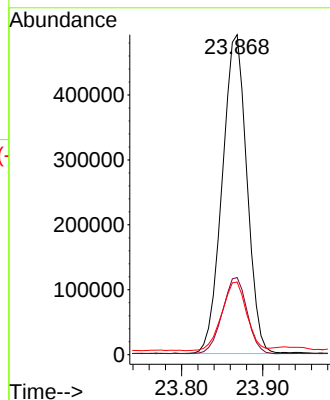
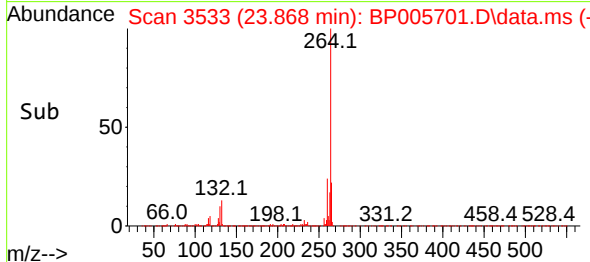
Instrument :
BNA_P
ClientSampled :
18-B4(4-6)DL



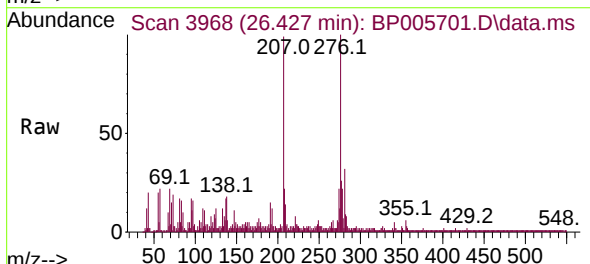
Tgt Ion:264 Resp: 1034610
Ion Ratio Lower Upper
264 100
260 24.1 20.6 30.8
265 22.7 19.0 28.6

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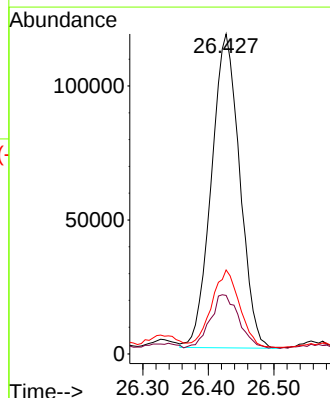
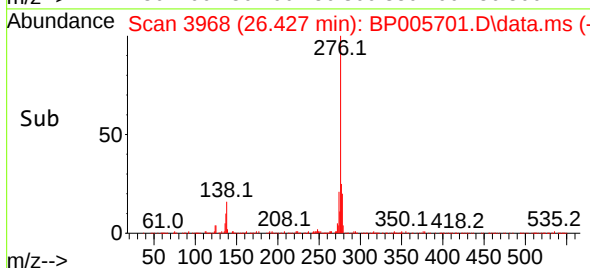
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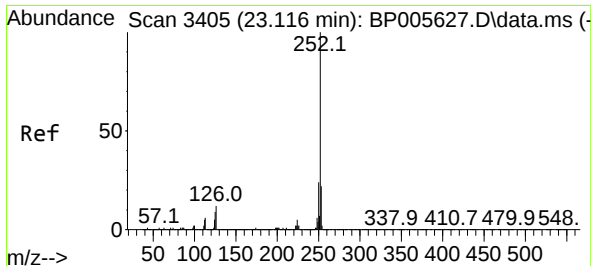


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.99 ng
RT: 26.427 min Scan# 3968
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12



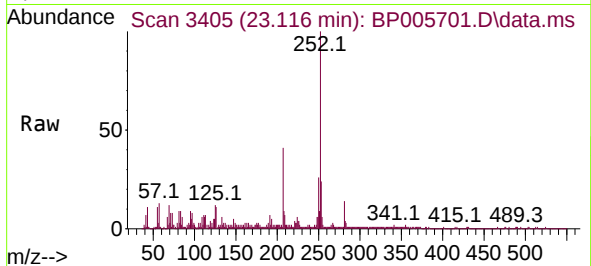
Tgt Ion:276 Resp: 351072
Ion Ratio Lower Upper
276 100
138 17.5 8.4 12.6#
277 24.5 20.6 31.0





#88
Benzo(b)fluoranthene
Concen: 9.09 ng
RT: 23.116 min Scan# 3405
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

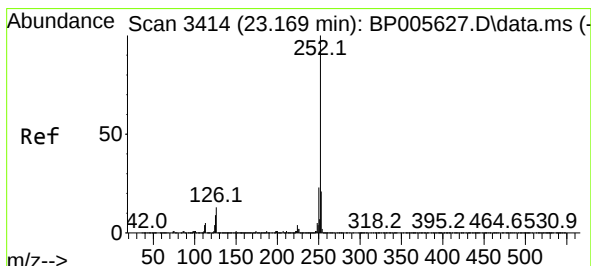
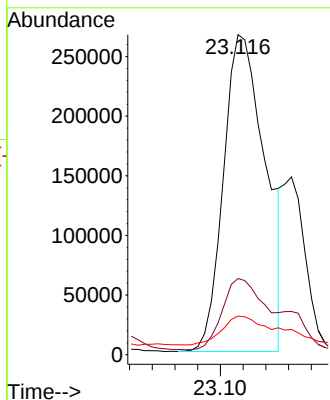
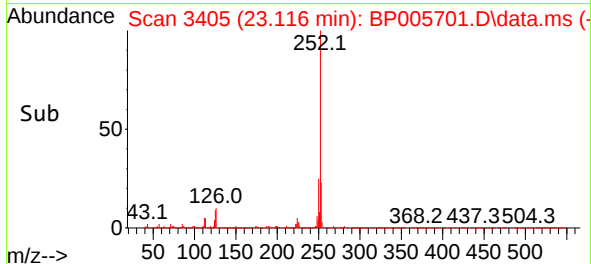
Instrument :
BNA_P
ClientSampleId :
18-B4(4-6)DL



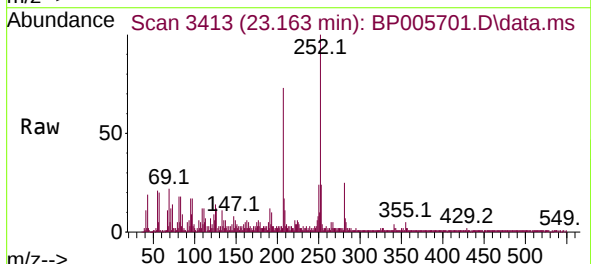
Tgt Ion:252 Resp: 682069
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 12.1 3.4 5.0#

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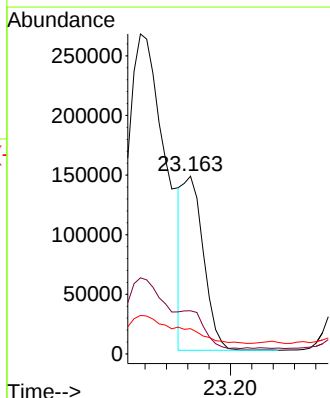
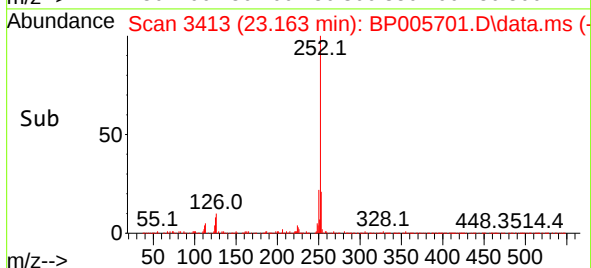
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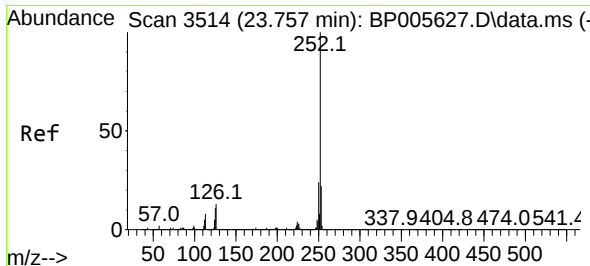


#89
Benzo(k)fluoranthene
Concen: 2.82 ng m
RT: 23.163 min Scan# 3413
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12



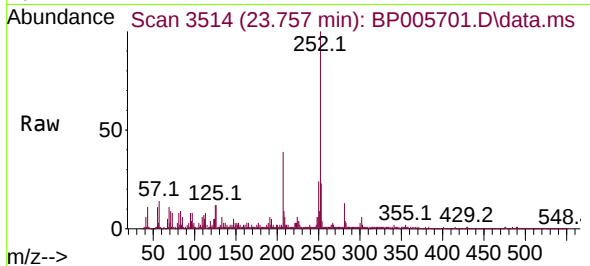
Tgt Ion:252 Resp: 200696
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 14.2 3.8 5.6#





#90
Benzo(a)pyrene
Concen: 8.46 ng
RT: 23.757 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

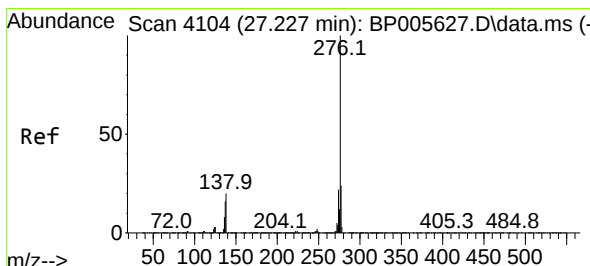
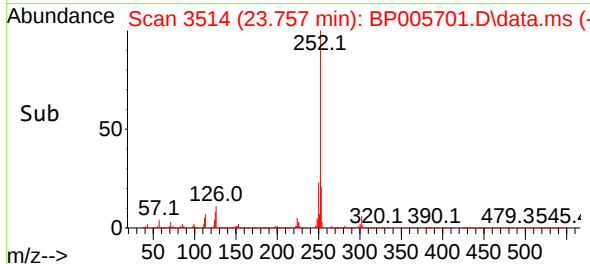
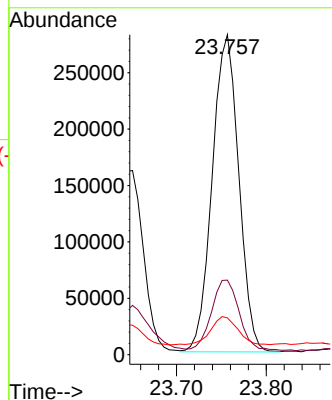
Instrument :
BNA_P
ClientSampleID :
18-B4(4-6)DL



Tgt Ion:252 Resp: 578016
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.5 3.8 5.6#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.85 ng
RT: 27.221 min Scan# 4103
Delta R.T. -0.006 min
Lab File: BP005701.D
Acq: 03 Jun 2021 23:12

Tgt Ion:276 Resp: 357325
Ion Ratio Lower Upper
276 100
277 25.1 19.8 29.8
138 19.5 7.7 11.5#

